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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/069,052	02/21/2002	John Scott Strachan	12395.00	9306

7590 10/24/2003
Frederick S Frei
Dorsey & Whitney
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EXAMINER
SHAY, DAVID M

ART UNIT	PAPER NUMBER
3739	

DATE MAILED: 10/24/2003 5

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/069052

Applicant(s)

Strachan

Examiner

J. Shay

Group Art Unit

3739

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Response

A SHORTENED STATUTORY PERIOD FOR RESPONSE IS SET TO EXPIRE —3— MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a response be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for response specified above is less than thirty (30) days, a response within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for response is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to respond within the set or extended period for response will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- ☒ Responsive to communication(s) filed on April 18, 2002.
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 1-11 is/are pending in the application.
Of the above claim(s) _____ is/are withdrawn from consideration.
- ☒ Claim(s) 1-10 is/are allowed.
- ☒ Claim(s) 11 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claim(s) _____ are subject to restriction or election requirement.

Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
 - ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.
 - ☐ received in Application No. (Series Code/Serial Number) _____.
 - ☐ received in this national stage application from the International Bureau (PCT Rule 1.7.2(a)).

*Certified copies not received: _____

Attachment(s)

- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s) 2
- ☒ Notice of References Cited, PTO-892
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Interview Summary, PTO-413
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Other _____

Office Action Summary

Art Unit: 3739

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claim 11 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The originally filed specification does not enablingly explain the structure which will “produce for each pulse an isolated traverse through the frequency made of the laser”.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 11 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Exactly what structure is to be encompassed by the term “means for pulsing the laser with short duration pulses to produce for each pulse an isolated traverse through the frequency made of the laser” is unclear.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. L'Esperance, Jr. teaches a method and device of low level laser therapy wherein the relative phases of two combined beams can be adjusted. Strachan ('995) teaches production of a beat frequency using two beams which are modulate at similar frequencies. Strachan ('500) teaches a diffraction grating design.

Art Unit: 3739

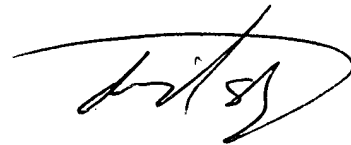
Claims 1-10 are allowed.

None of the prior art teaches employing a phase cancellation element to produce destructive interferences of the center frequency lines; forming a beat frequency from the uncanceled frequency; and an aperture for selecting a portion of the Fresnel zone of the beam with a majority of destructive nodes relative to constructive nodes.

Any inquiry concerning this communication should be directed to David Shay at telephone number 308-2215.

Shay/DI

October 10, 2003

A handwritten signature in black ink, appearing to read 'D. M. Shay', enclosed within a large, stylized, handwritten loop.

DAVID M. SHAY
PRIMARY EXAMINER
GROUP 330